\_\_\_\_\_\_

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)

217-9197 (toll free).

Reviewer: markspencer

Timestamp: Thu Jul 12 15:53:45 EDT 2007

\_\_\_\_\_

## Validated By CRFValidator v 1.0.2

Application No: 10789424 Version No: 1.0

Input Set:

Output Set:

**Started:** 2007-07-12 12:12:54.511 **Finished:** 2007-07-12 12:12:54.795

Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 284 ms

Total Warnings: 2

Total Errors: 0

No. of SeqIDs Defined: 17
Actual SeqID Count: 17

Error code Error Description

W 213 Artificial or Unknown found in <213> in SEQ ID (12)

W 213 Artificial or Unknown found in <213> in SEQ ID (13)

## SEQUENCE LISTING

```
<110> Searle, Brian
     Dasari, Surendra
     Nagalla, Srinivasa
     Turner, Mark
<120> Methods and Systems for Identification
 of Macromolecules
<130> 39767-0003.US
<140> 10789424
<141> 2007-07-12
<150> US 10/789,424
<151> 2004-02-27
<160> 17
<170> FastSEQ for Windows Version 4.0
<210> 1
<211> 18
<212> PRT
<213> Homo Sapiens
Asn Tyr Arg Leu Val Val Phe Glu Leu Glu Asn Phe Gln Gly Arg Arg
              5
                                 10
                                                     15
Ala Glu
<210> 2
<211> 11
<212> PRT
<213> Homo Sapiens
<400> 2
Val Val Phe Glu Leu Glu Asn Phe Gln Gly Arg
1
              5
                        10
<210> 3
<211> 19
<212> PRT
<213> Homo Sapiens
<400> 3
Gly Arg Arg Tyr Asp Asp Cys Ala Asp Phe His Thr Tyr Leu Ser Arg
1
      5
                          10
Cys Asn Ser
```

```
<210> 4
<211> 11
<212> PRT
<213> Homo Sapiens
<400> 4
Thr Met Ala Asp Phe His Thr Tyr Leu Ser Arg
                5
                                  10
<210> 5
<211> 14
<212> PRT
<213> Homo Sapiens
<400> 5
Met Asp Ile Ala Ile His His Pro Trp Ile Arg Pro Phe
                5
                            10
<210> 6
<211> 13
<212> PRT
<213> Homo Sapiens
<400> 6
Ser Ser Asn Leu Ala Leu His His Ala Pro Asp Leu Arg
               5
                                   10
<210> 7
<211> 16
<212> PRT
<213> Homo Sapiens
<400> 7
Val Lys Val Gln Asp Asp Phe Val Glu Ile His Gly Lys His Asn Glu
               5
                                  10
<210> 8
<211> 10
<212> PRT
<213> Homo Sapiens
<400> 8
Glu Pro Asp Phe Val Glu Leu His Gly Lys
               5
<210> 9
<211> 18
<212> PRT
<213> Homo Sapiens
<400> 9
```

Asn Tyr Arg Leu Val Val Phe Glu Leu Glu Asn Phe Gln Gly Arg Arg

```
5
1
                                10
                                                    15
Ala Glu
<210> 10
<211> 11
<212> PRT
<213> Homo Sapiens
<400> 10
Leu Val Val Phe Glu Leu Glu Pro Phe Gly Arg
1
              5
                       10
<210> 11
<211> 14
<212> PRT
<213> Homo sapiens
<400> 11
Met Asp Val Thr Ile Gln His Pro Trp Phe Lys Arg Thr Leu
        5
                      10
<210> 12
<211> 16
<212> PRT
<213> Artificial Sequence
<220>
<223> Peptide
<400> 12
Thr Ala Gln Thr Ala Gly Thr Leu Ser Ser Thr Ser Gly Gln Gln Arg
              5
                              10
<210> 13
<211> 5
<212> PRT
<213> Artificial Sequence
```

<400> 13
Thr Ala Gly Val Asp
1 5

<210> 14
<211> 11
<212> PRT
<213> Bos Taurus

<220>

<400> 14

<223> Peptide

```
1 5
<210> 15
<211> 15
<212> PRT
<213> Bovine
<400> 15
Phe Ala Lys Thr Ala Asp Glu Ser His Ala Gly Lys Ser Leu His
              5
                                10
<210> 16
<211> 4
<212> PRT
<213> Homo Sapiens
<400> 16
Ser Ser Ser Gly
1
<210> 17
<211> 22
<212> PRT
<213> Homo Sapiens
<400> 17
Ser Cys Lys Phe Asp Glu Tyr Phe Ser Gln Ser Cys Ala Pro Gly Ser
              5
1
                                10
Asp Pro Arg Ser Asn Leu
         20
```

Ser Ala Thr Ala Asp Glu Ser His Ala Gly Met